This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (Currently Amended): A method of remotely monitoring electrical power in an electrical circuit, comprising:

coupling a power meter to an electrical circuit for sensing power-related signals in said electrical circuit and generating power-related information based on said power-related signals; and

connecting a remote metering display to said power meter, said remote metering display including:

a display screen;

a plurality of user interface buttons for navigating through menu options depicted on the display screen; and

a motion sensor for powering on the display screen in response to detection of a person's presence within a ~~predetermined~~ user-adjustable distance of said remote metering display, said motion sensor including a fresnel lens for focalizing infrared waves projected from a person's body; and

accessing said power-related information by navigating through menu options on said display screen.

2. (Previously Presented): The method of claim 1, wherein said display screen is a vacuum florescent display screen.

3. (Previously Presented): The method of claim 1, including powering off said display screen in response to no motion being detected by the motion sensor and none of said user interface buttons being pressed for a predefined period of idle time.

4. (Previously Presented): The method of claim 3, wherein said predefined period of idle time is definable in one of said menu options using said user interface buttons.

5. (Currently Amended): The method of claim 1, wherein said motion sensor includes a plurality of selectable sensitivity levels for varying ~~the predetermined~~ said user-adjustable distance, and further, selecting one of the sensitivity levels of said menu options using said user interface buttons.

6. (Currently amended): The method of claim 1, ~~wherein said motion sensor senses infrared waves projected from a person's body.~~ further comprising:

   installing said remote metering display at a point of use; and

   manually adjusting the distance of said remote metering display after said installing step.

7. (Currently Amended): The method of claim 1, wherein said motion sensor includes a pyroelectric detector for sensing said infrared waves projected from a person's body~~, and~~

~~includes a fresnel lens for focalizing the infrared waves to a window area of said pyroelectric detector.~~

8. (Previously Presented): The method of claim 7, wherein said pyroelectric detector generates an analog output signal, and wherein said motion sensor further includes an analog-to-digital converter for receiving and digitizing the analog output signal.

9. (Currently Amended): A remote metering display for displaying power-related information generated by a power meter linked to the display, the remote metering display comprising:

> a processing unit;
>
> a display screen coupled to the processing unit;
>
> a plurality of user interface buttons, coupled to the processing unit, for navigating through
>> menu options depicted on the display screen; and
>
> a motion sensor, coupled to the processing unit, for powering on the display screen in
>> response to detection of a person's presence within a ~~predetermined~~ <u>user-</u>
>> <u>adjustable</u> distance of said remote metering display<u>, said motion sensor including</u>
>> <u>a fresnel lens for focalizing infrared waves projected from a person's body</u>.

10. (Original): The display of claim 9, wherein the display screen is a vacuum florescent display screen.

11. (Previously Presented): The display of claim 9, wherein the display screen is powered off by the processing unit in response to no motion being detected by the motion sensor and none of the user interface buttons being pressed for a predefined period of idle time.

12. (Previously Presented): The display of claim 11, wherein the predefined period of idle time is definable in one of the menu options using the user interface buttons.

13. (Currently Amended): The display of claim 9, wherein the motion sensor includes a plurality of selectable sensitivity levels for varying ~~the predetermined~~ said user-adjustable distance, one of the sensitivity levels being selected in one of the menu options using the user interface buttons.

14. (Currently Amended): A power metering arrangement, comprising:

>> a power meter, coupled to a power line, for sensing power-related signals traveling
>>> through the power line and for generating power-related information based on the
>>> power-related signals; and

>> a remote metering display for displaying the power-related information, the remote
>>> metering display being linked to the power meter, the remote metering display
>>> including:

>>>> a display screen;

>>>> a plurality of user interface buttons for navigating through menu options

>>>>> depicted on the display screen; and

a motion sensor for powering on the display screen in response to

detection of a person's presence within a ~~predetermined~~ user-

adjustable distance of said remote metering display, said motion

sensor including a fresnel lens for focalizing infrared waves

projected from a person's body.

15. (Original): The display of claim 14, wherein the display screen is a vacuum florescent

display screen.

16. (Previously Presented): The display of claim 14, wherein the display screen is powered off

in response to no motion being detected by the motion sensor and none of the user interface

buttons being pressed for a predefined period of idle time.

17. (Previously Presented): The display of claim 16, wherein the predefined period of idle time

is definable in one of the menu options using the user interface buttons.

18. (Currently Amended): The display of claim 14, wherein the motion sensor includes a

plurality of selectable sensitivity levels for varying ~~the predetermined~~ said user-adjustable

distance, one of the sensitivity levels being selected in one of the menu options using the user

interface buttons.